

09/866570
STN Search Summary

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- FILE 'CAPLUS' ENTERED AT 14:42:25 ON 13 JAN 2003
- L1 455 S ?DESACETYLBACCATIN? OR ?DEACETYLBACCATIN?
- L2 180 S L1 AND TAXUS
- L3 3 S L2 AND TRANSFERASE
- L4 11 S L2 AND BIOSYNTHESIS
- L5 10 S L4 NOT L3
- L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS
AN 2001:247516 CAPLUS
TI Taxus cuspidata transacylase enzymes involved in the production of Taxol (paclitaxel), their sequences, substrates and recombinant production
IN Croteau, Rodney B.; Walker, Kevin D.; Schoendorf, Anne; Wildung, Mark R.
SO PCT Int. Appl., 162 pp.
- | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|------|----------|-----------------|----------|
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| WO 2001023586 | A3 | 20020221 | | |
| US 6287835 | B1 | 20010911 | US 1999-457046 | 19991207 |
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| WO 2000-US27006 | W | 20000929 | | |
- L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
AN 2000:82207 CAPLUS
TI Molecular cloning of a 10-deacetylbaccatin III-10-O-acetyl transferase cDNA from Taxus and functional expression in Escherichia coli
AU Walker, Kevin; Croteau, Rodney
SO Proceedings of the National Academy of Sciences of the United States of America (2000), 97(2), 583-587
- L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
AN 1999:217410 CAPLUS
TI Partial purification and characterization of acetyl coenzyme A:taxa-4(20),11(12)-dien-5.alpha.-ol O-acetyl transferase that catalyzes the first acylation step of taxol biosynthesis
AU Walker, Kevin; Ketchum, Raymond E. B.; Hezari, Mehri; Gatfield, David; Goleniowski, Marta; Barthol, Ann; Croteau, Rodney
SO Archives of Biochemistry and Biophysics (1999), 364(2), 273-279
- L5 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS
AN 2001:800484 CAPLUS
TI Taxol: biosynthesis, molecular genetics, and biotechnological applications
AU Jennewein, S.; Croteau, R.
SO Applied Microbiology and Biotechnology (2001), 57(1-2), 13-19

- L5 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS
AN 2001:628023 CAPLUS
TI Taxol biosynthetic genes
AU Walker, K.; Croteau, R.
SO Phytochemistry (2001), 58(1), 1-7
- L5 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS
AN 2000:878382 CAPLUS
TI Taxol biosynthesis: molecular cloning of a benzoyl-CoA:taxane
2.alpha.-O-benzoyltransferase cDNA from *Taxus* and functional
expression in *Escherichia coli*
AU Walker, Kevin; Croteau, Rodney
SO Proceedings of the National Academy of Sciences of the United States of
America (2000), 97(25), 13591-13596
- L5 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS
AN 1996:729767 CAPLUS
TI Biosynthesis of taxol: enzymic acetylation of 10
deacetylbaaccatin-III to baaccatin-III in crude extracts from roots
of *Taxus baccata*
AU Zocher, Rainer; Weckwerth, Wolfram; Hacker, Christine; Kammer, Bettina;
Hornbogen, Till; Ewald, Dietrich
SO Biochemical and Biophysical Research Communications (1996), 229(1), 16-20